DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Paul Cotter
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
Paul Cotter
No. C34509
EXP. 9-30-03
CIVIL
STATE OF CALIFORNIA

July 1, 2002
PLANS APPROVAL DATE

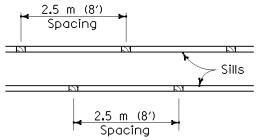
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

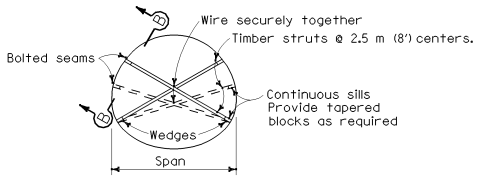
TABLE B

TIMBER STRUTS FOR STRUCTURAL STEEL PLATE VEHICULAR UNDERCROSSING		
SPAN	STRUT SIZE	SILL SIZE
4013 mm - 4724 mm (13'-2" - 15'-6")	89 mm x 89 mm (4" x 4")	89 mm x 140 mm (4" x 6")
4800 mm - 5258 mm (15'-9" - 17'-3")	89 mm x 89 mm (4" x 4")	89 mm x 184 mm (4" x 8")
Over 5258 mm (17'-3")	140 mm x 140 mm (6" x 6")	140 mm x 184 mm (6" x 8")

Tabular data in Table B based on 152 mm x 51 mm (6" x 2") corrugations, (Structural steel plate)



SECTION B-B

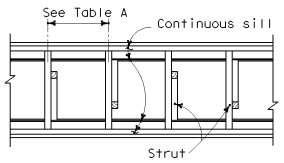


TYPICAL SECTION

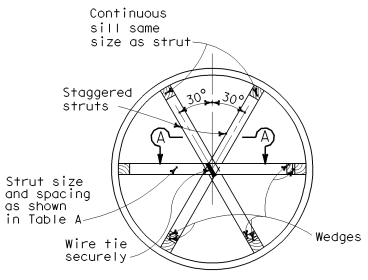
STRUCTURAL STEEL PLATE VEHICULAR UNDERCROSSING

TABLE A

TIMBER STRUTS FOR STRUCTURAL STEEL PLATE PIPE			
PIPE Dia	STRUT SIZE	HEIGHT OF FILL	
		0 to 6.1 m (20')	GREATER THAN 6.1 m (20')
6100 mm (240") thru 6400 mm (252")	184 mm x 184 mm (8" x 8")	1.5 m (5') SPACING	1.0 m (3') SPACING
	235 mm x 235 mm (10" x 10")	2.5 m (8') SPACING	1.4 m (4.5') SPACING

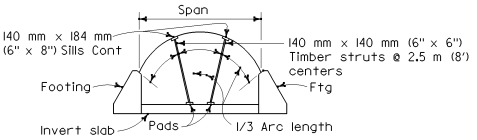


SECTION A-A



TYPICAL SECTION

STRUCTURAL STEEL PLATE PIPES



TYPICAL SECTION

STRUCTURAL STEEL PLATE ARCHES

Struts required when span of structural steel plate arch exceeds 5.5 m (18'). Pad size as directed by Engineer.

NOTES:

1. Struts shown are minimum required during construction and are for earth loads only.
2. Backfill shall be brought up uniformly on both sides of the structure.
3. For minimum cover over structure for construction loads, see Standard Plan D88.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

STRUT DETAILS FOR STRUCTURAL STEEL PIPES, ARCHES AND VEHICULAR UNDERCROSSING

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

D88A